AUTODOC CLUB

How to change fuel filter on **BMW E39 touring** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
BMW 5 Saloon (E39) 530d 3.0, BMW 5 Touring (E39) 530d 3.0, BMW X5 (E53) 3.0 d, BMW 3 Saloon (E46) 330d 2.9, BMW 3 Touring (E46) 330d 2.9, BMW 5 Saloon (E39) 520d 2.0, BMW 5 Touring (E39) 520d 2.0, BMW 5 Saloon (E39) 525d 2.5, BMW 5 Touring (E39) 525d 2.5, BMW 3 Touring (E46) 330xd 2.9, BMW 3 Saloon (E46) 330xd 2.9

The steps may slightly vary depending on the car design.

REPLACEMENT: FUEL FILTER – BMW E39 TOURING. TOOLS YOU NEED:



- Electronic spray
- Drive socket # 10
- Torx bit T50
- Ratchet wrench
- Flat screwdriver
- Fender cover

BUY TOOLS

Replacement: fuel filter – BMW E39 touring. AUTODOC experts recommend:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- Please note: all work on the car – BMW E39 touring – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

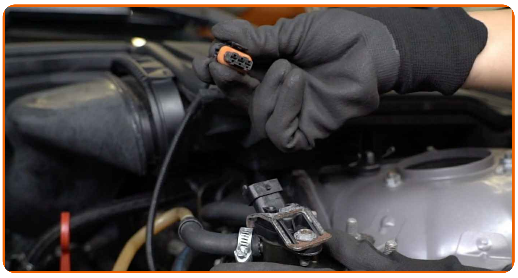
1 Open the hood.



2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



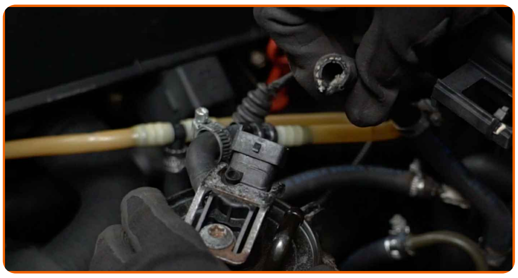
3 Detach the fuel pressure sensor connector.



4 Loosen the fastening clamps of the fuel filter pipes. Use a flat screwdriver.



5 Detach the tubes from the fuel filter.



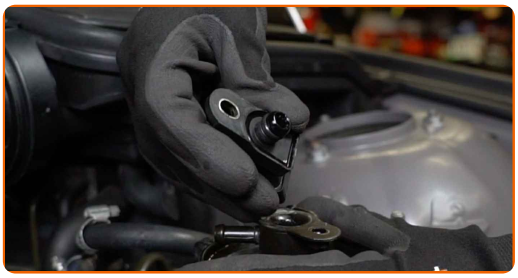
AUTODOC recommends:

- Be careful! Fuel may leak from the filter housing and hoses.

6 Unscrew the fastener of the fuel pressure sensor. Use Torx T50. Use a ratchet wrench.

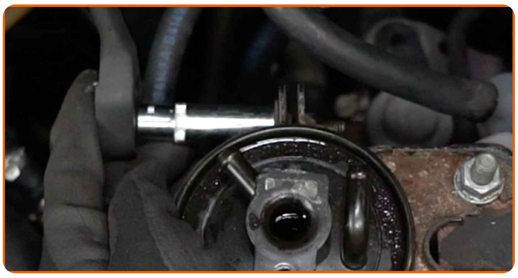


7 Remove the fuel pressure sensor.



8

Unscrew the fuel filter bracket. Use a drive socket #10. Use a ratchet wrench.



9

Remove the fuel filter.



10

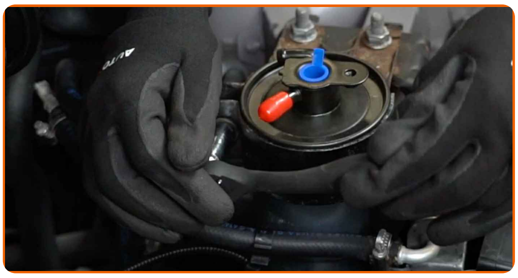
Install a new fuel filter.



Replacement: fuel filter – BMW E39 touring. Tip from AUTODOC:

- Make sure that the fuel filter is positioned correctly. Consider the fuel flow direction mark.
- During installation, take care to prevent dust and dirt from getting into the fuel filter housing.
- Attention! Use quality filters – BMW E39 touring.

11 Screw in the fuel filter mounting bracket. Use a drive socket #10. Use a ratchet wrench.



12 Install the fuel pressure sensor.



13 Screw the fastener of the fuel pressure sensor. Use Torx T50. Use a ratchet wrench.



14 Attach the tubes to the fuel filter.



15 Tighten the fastening clamps of the fuel filter pipes. Use a flat screwdriver.



16 Treat the fuel pressure sensor connector. Use dielectric grease.



17 Attach the fuel pressure sensor connector.

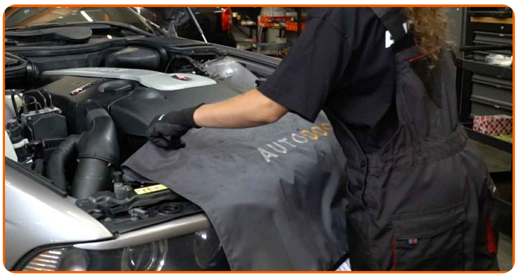


18 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



19 Shut off the engine.

20 Remove the fender protection cover.



21 Close the hood.



Replacement: fuel filter – BMW E39 touring. Tip:

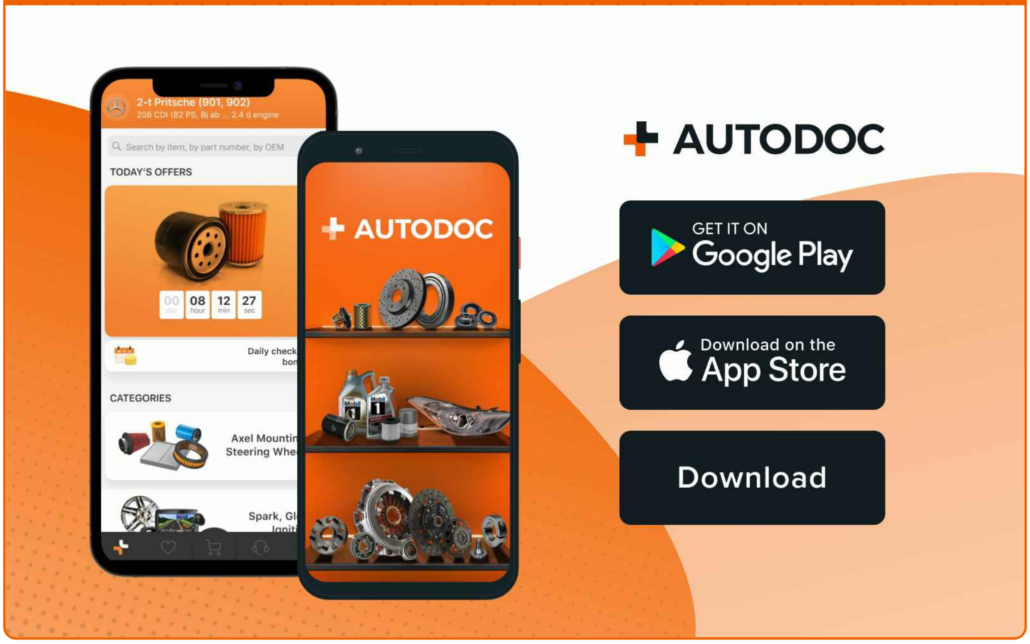
- To protect the environment from pollution, be sure to dispose of the used filters at special collection points.

WELL DONE!

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